

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1446370

Luminaire Tested: P3ART02R709727DE010 E3LCWW1B

Issue Date: 5/8/2026

**Test Information**

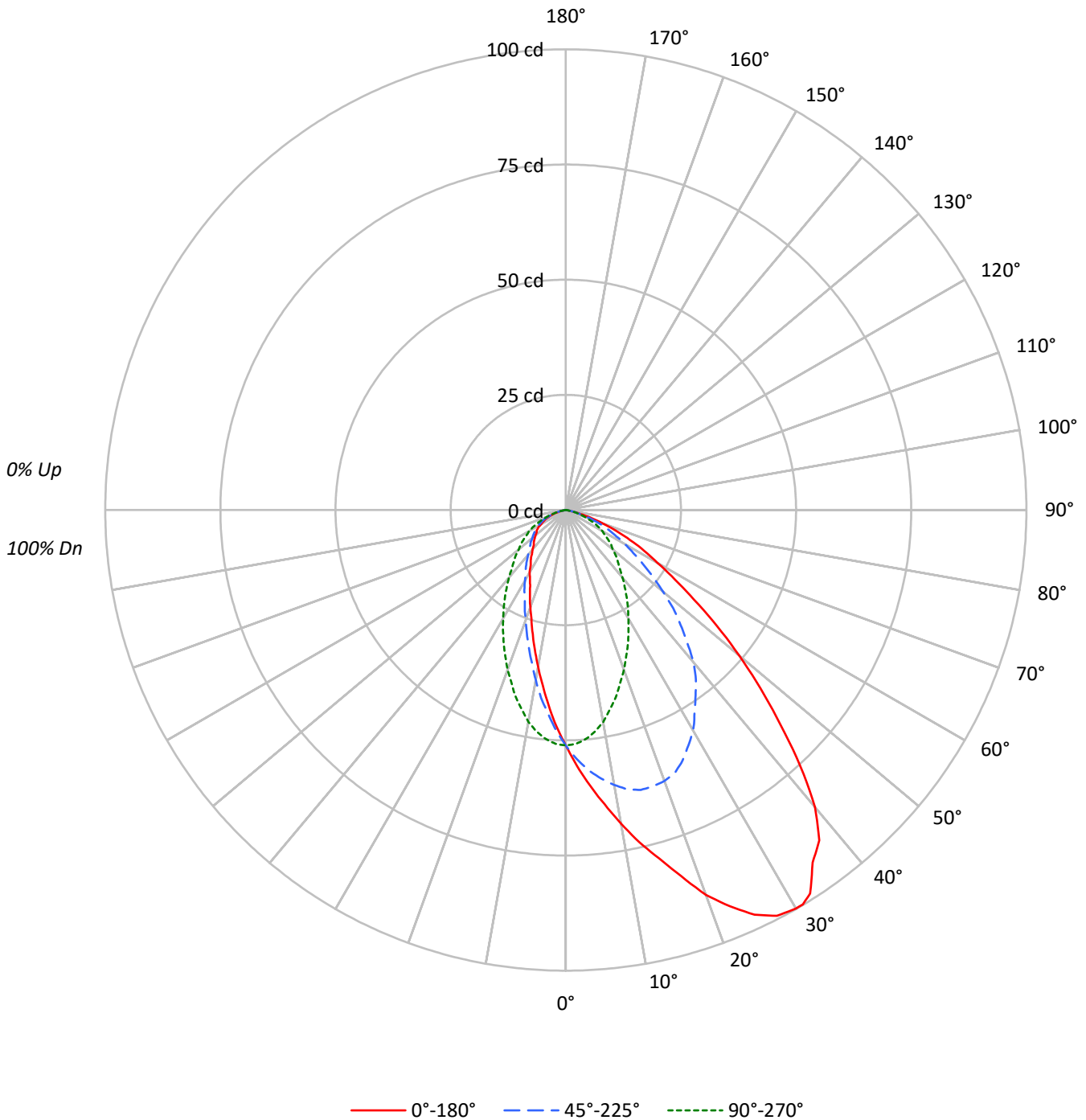
Test Method: LM-79-2019  
Report Number: P1446370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/8/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3ART02R709727DE010 E3LCWW1B  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3LCWW1B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 104.0 lumens  
Efficiency: N/A  
Efficacy: 28.9 lumens/watt  
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 3.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	78	78	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	68	68	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	60	60	60	58
5	81	69	61	55	79	68	61	55	66	59	54	64	58	54	62	57	53	53	53	53	51
6	75	63	55	49	73	62	54	49	60	53	48	59	53	48	57	52	47	47	47	47	46
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	43	43	43	41
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	39	39	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	35	35	35	33
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	32	32	32	31

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	11205	11205	11205	11205	11205
5°	13207	12481	10984	9751	9377
10°	15386	13493	10398	8350	7704
15°	17775	14279	9535	7037	6311
20°	20745	14608	8611	5927	5250
25°	23445	14517	7718	5081	4428
30°	25295	14002	6887	4482	3975
35°	25002	13144	6157	4042	3560
40°	24102	12337	5496	3635	3206
45°	20436	10916	4962	3380	3039
50°	16750	9381	4537	3241	2934
55°	12998	7799	4282	3173	2944
60°	10087	6491	4035	3114	2719
65°	7990	5344	3528	2906	2594
70°	5514	3975	2821	2436	2244
75°	2796	2288	2033	1779	1525
80°	379	758	1137	758	379
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20436 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.8	4.6
10°-20°	13.3	12.8
20°-30°	19.6	18.9
30°-40°	22.0	21.2
40°-50°	19.3	18.6
50°-60°	13.8	13.3
60°-70°	8.2	7.9
70°-80°	2.8	2.7
80°-90°	0.1	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	37.7	36.3
0°-40°	59.7	57.4
0°-60°	92.9	89.3
0°-90°	104.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	104.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	60	57	50	44	43	6
15°	78	63	42	31	28	23
25°	97	60	32	21	18	45
35°	93	49	23	15	13	59
45°	66	35	16	11	10	51
55°	34	20	11	8	8	31
65°	15	10	7	6	5	15
75°	3	3	2	2	2	4
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2.5°	55.6	55.6	55.6	55.0	55.0	54.1	53.5	52.6	52.0	51.1	50.8
5°	60.0	60.0	59.4	58.8	57.9	56.7	55.3	53.8	52.0	50.5	49.9
7.5°	64.4	64.7	63.8	62.6	60.9	58.8	56.7	54.4	51.7	49.6	48.5
10°	69.1	69.1	68.0	66.2	63.5	60.6	57.3	54.1	50.8	47.9	46.7
12.5°	73.9	73.6	72.1	69.4	66.2	62.1	57.6	53.5	49.6	46.1	44.3
15°	78.3	78.3	76.2	73.0	68.3	62.9	57.6	52.3	47.9	43.7	42.0
17.5°	83.3	83.3	80.7	75.6	69.7	62.9	56.7	50.8	45.8	41.4	39.3
20°	88.9	88.6	84.8	78.0	70.3	62.6	55.6	49.1	43.4	38.7	36.9
22.5°	93.1	92.8	88.4	80.1	70.6	61.8	53.5	46.7	41.1	36.3	34.3
25°	96.9	96.3	91.3	81.0	70.0	60.0	51.4	44.0	38.7	34.0	31.9
27.5°	99.3	99.0	93.4	80.7	68.6	57.6	48.8	41.7	36.1	31.3	29.5
30°	99.9	100.2	93.4	79.2	66.2	55.3	46.1	39.0	33.4	29.3	27.2
31°	99.9	100.2	92.8	78.3	65.3	54.1	44.9	38.1	32.2	28.1	26.3
32.5°	98.7	98.1	91.9	76.8	63.2	52.0	43.4	36.6	30.7	26.6	25.1
35°	93.4	93.7	88.9	73.6	60.3	49.1	40.5	33.7	28.1	24.5	23.0
37.5°	90.4	90.4	81.9	69.1	57.0	46.4	36.9	30.4	25.7	22.5	21.0
40°	84.2	83.3	75.4	64.4	53.2	43.1	34.9	28.4	23.6	20.4	19.2
42.5°	75.4	74.5	68.3	60.3	48.2	39.0	33.1	25.1	21.3	18.6	17.4
45°	65.9	65.3	60.6	53.2	43.4	35.2	28.7	23.0	19.5	16.8	16.0
47.5°	57.3	56.4	52.9	47.3	39.3	31.6	24.8	20.7	17.4	15.4	14.8
50°	49.1	48.8	45.8	41.4	34.9	27.5	21.9	18.3	16.0	14.2	13.3
52.5°	41.4	40.8	39.3	35.8	30.4	23.9	19.2	16.3	14.2	13.0	12.4
55°	34.0	34.0	32.5	30.1	26.0	20.4	16.8	14.5	12.7	11.8	11.2
57.5°	28.1	28.1	26.9	25.4	21.6	17.4	14.8	12.7	11.5	10.6	10.0
60°	23.0	23.0	22.2	20.7	18.0	14.8	12.7	11.2	10.3	9.5	9.2
62.5°	19.2	18.9	18.3	16.8	14.8	12.4	10.9	9.8	8.9	8.3	8.0
65°	15.4	15.1	14.5	13.3	11.8	10.3	9.2	8.3	7.7	7.1	6.8
67.5°	11.8	11.8	11.2	10.3	9.2	8.3	7.4	6.8	6.2	5.9	5.6
70°	8.6	8.6	8.3	7.7	6.8	6.2	5.6	5.3	5.0	4.7	4.4
72.5°	5.9	5.9	5.6	5.3	4.7	4.4	3.8	3.8	3.5	3.5	3.3
75°	3.3	3.3	3.3	3.0	3.0	2.7	2.7	2.7	2.4	2.4	2.4
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2.5°	50.5	49.6	49.1	48.8	47.9	47.6	47.3	47.0	47.0	47.0
5°	49.3	47.9	46.4	45.5	44.3	43.7	43.1	42.8	42.6	42.6
7.5°	47.3	45.5	43.7	42.3	41.1	39.9	39.3	38.7	38.7	38.4
10°	45.2	42.8	40.8	38.7	37.5	36.1	35.5	34.9	34.6	34.6
12.5°	42.8	39.9	37.5	35.8	34.0	32.8	31.9	31.3	31.0	31.0
15°	40.2	37.2	34.6	32.8	31.0	29.5	28.7	28.1	27.8	27.8
17.5°	37.5	34.6	31.6	29.8	28.1	26.6	26.0	25.4	25.1	24.8
20°	35.2	31.6	29.3	26.9	25.4	24.2	23.3	22.8	22.5	22.5
22.5°	32.5	29.3	26.6	24.8	23.3	22.2	21.0	20.7	20.4	20.4
25°	29.8	26.9	24.5	22.8	21.0	20.1	19.2	18.6	18.6	18.3
27.5°	27.8	24.8	22.5	20.7	19.5	18.3	17.7	17.1	16.8	16.8
30°	25.4	22.8	20.7	19.2	17.7	16.8	16.3	15.7	15.7	15.7
31°	24.8	22.2	20.1	18.3	17.1	16.3	15.7	15.4	15.1	15.1
32.5°	23.3	21.0	18.9	17.4	16.3	15.4	14.8	14.5	14.5	14.2
35°	21.6	19.2	17.4	16.0	15.1	14.2	13.6	13.3	13.3	13.3
37.5°	19.8	17.7	16.0	14.8	13.9	13.0	12.7	12.1	12.1	12.1
40°	18.0	16.3	14.8	13.6	12.7	12.1	11.8	11.5	11.2	11.2
42.5°	16.5	14.8	13.6	12.7	11.8	11.2	10.9	10.6	10.6	10.3
45°	15.1	13.6	12.7	11.8	10.9	10.6	10.3	10.0	9.8	9.8
47.5°	13.9	12.7	11.5	10.9	10.3	9.8	9.5	9.5	9.2	9.2
50°	12.7	11.5	10.6	10.0	9.5	9.2	8.9	8.9	8.6	8.6
52.5°	11.8	10.6	10.0	9.5	8.9	8.6	8.3	8.3	8.0	8.0
55°	10.6	9.8	9.2	8.9	8.3	8.0	7.7	7.4	7.4	7.7
57.5°	9.8	9.2	8.6	8.3	7.7	7.4	7.1	7.1	6.8	7.1
60°	8.9	8.3	7.7	7.4	7.1	6.8	6.5	6.2	6.2	6.2
62.5°	8.0	7.4	7.1	6.5	6.2	6.2	5.9	5.9	5.9	5.6
65°	6.8	6.5	6.2	5.9	5.6	5.3	5.3	5.0	5.0	5.0
67.5°	5.6	5.3	5.0	5.0	4.7	4.4	4.4	4.4	4.4	4.1
70°	4.4	4.1	4.1	3.8	3.8	3.8	3.5	3.5	3.5	3.5
72.5°	3.3	3.3	3.0	3.0	3.0	3.0	2.7	2.7	2.7	2.7
75°	2.4	2.4	2.4	2.1	2.1	2.1	1.8	1.8	1.8	1.8
77.5°	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2
80°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)